

Masaryk University Libraries



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Library and Information Centre – Institute of Computer Science MU



■ LIS-MU: Who we are

Library and Information Centre

ICS department (5 people)

IT services for all MU Libraries

- Library Management System (Aleph)
- Digitization & Digital Libraries (DSpace)
- Electronic Resources
- Computer Rooms & ICT Infrastructure

MU Libraries as a coordinated System

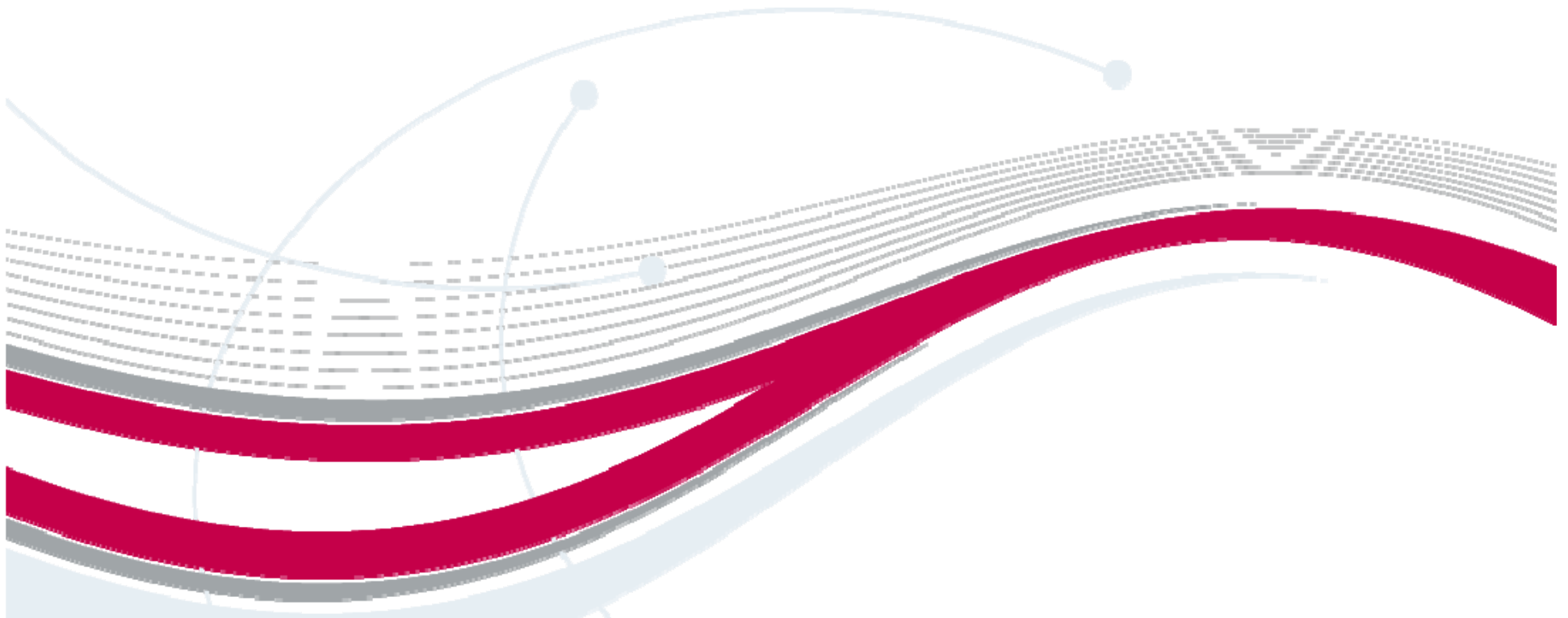
- Library Standards (MU Librarian)
- Library Rules Unification



■ ToC

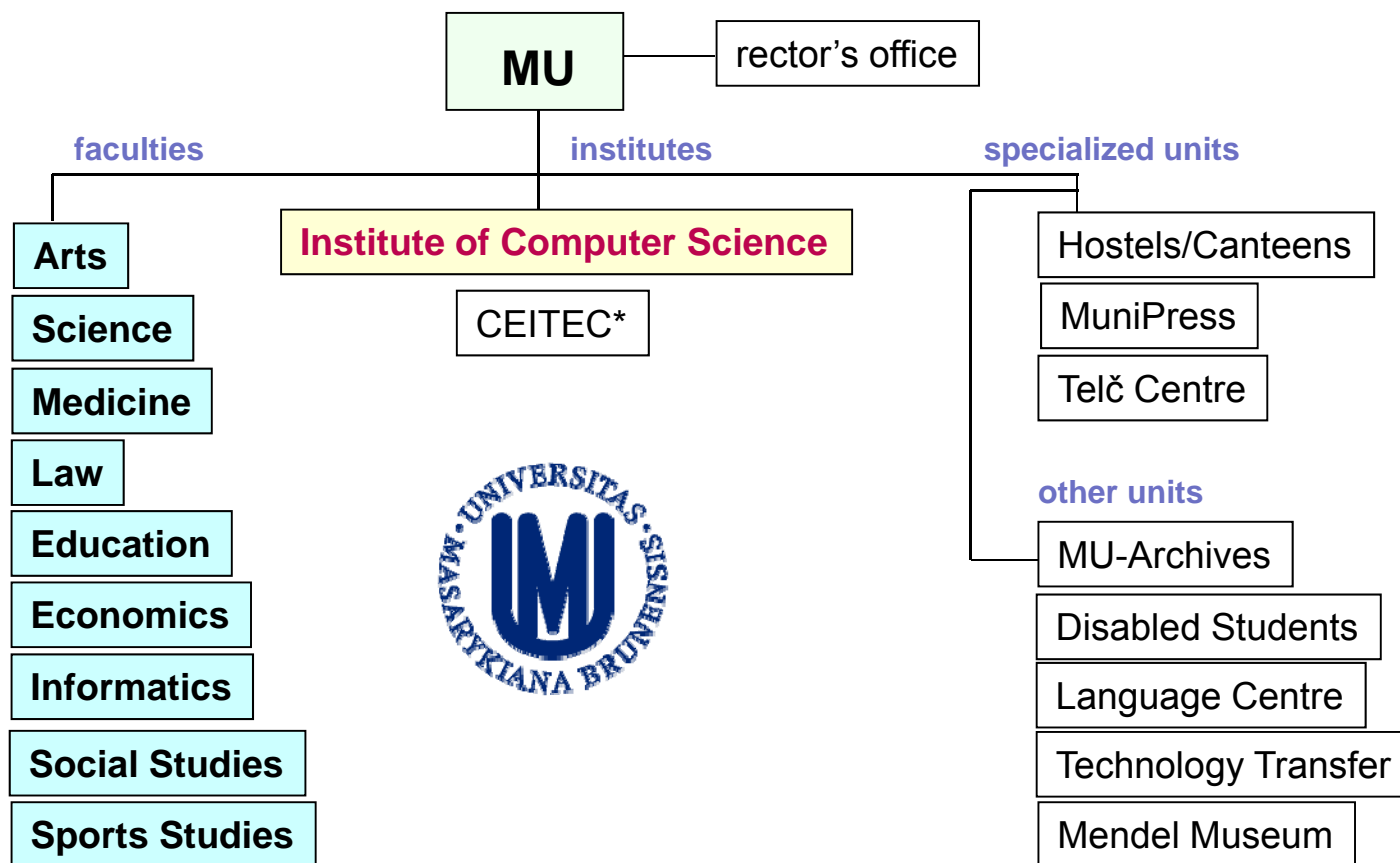
1. **MU Libraries**
2. **IT support for libraries**
3. **Aleph-MU**
4. **ER – Electronic Resources**
5. **Digital Libraries**
6. **Open Access at MU**

1. MU Libraries





■ Masaryk University at glance



* Central European Institute of Technology

■ Masaryk University at glance



Locations

- MU scattered all over the city
- ~ 60 sites
- each faculty in different location/s
- University campus Bohunice
 - medicine, sports + chemistry, biology

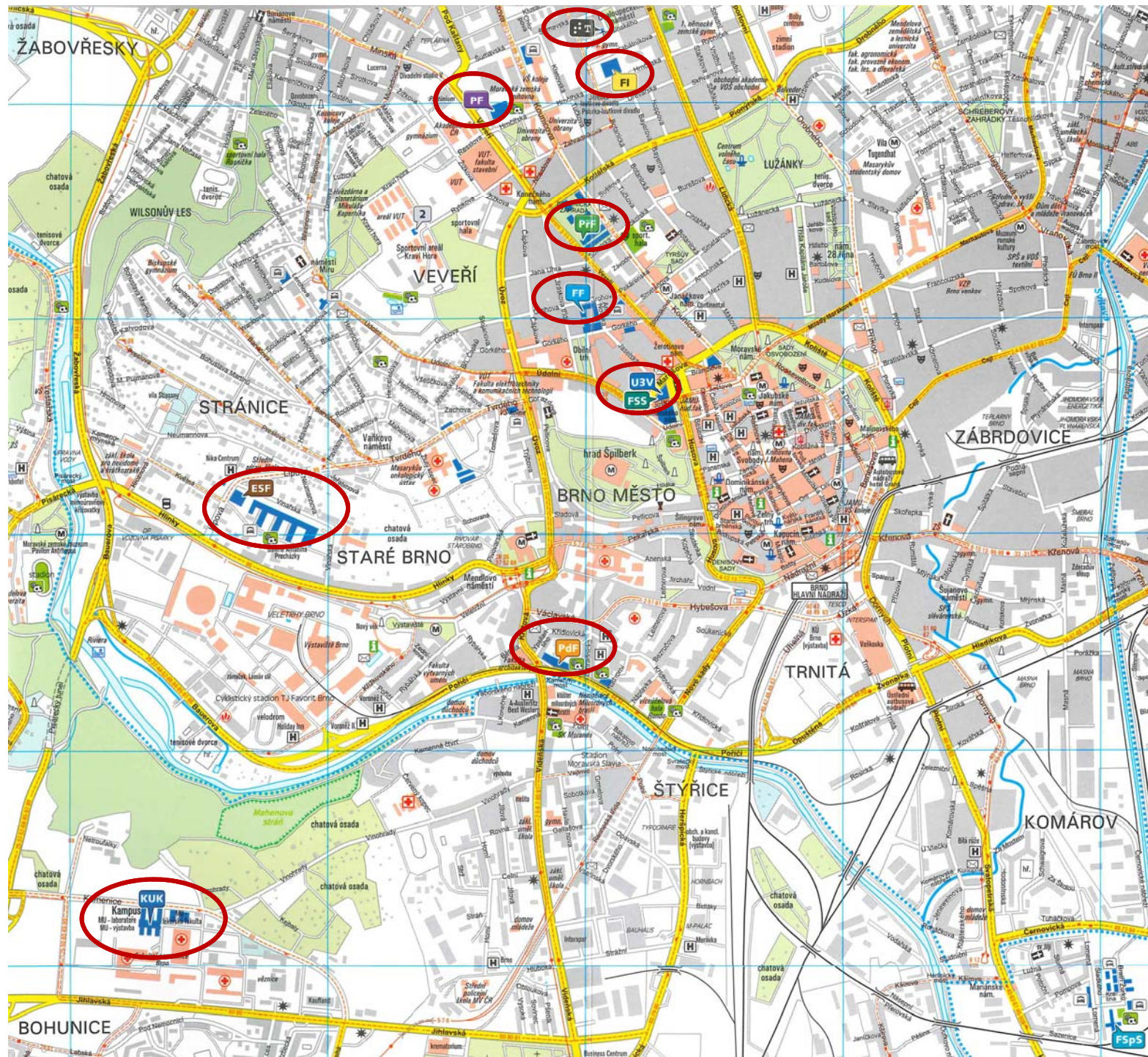


Numbers

- 33 458 students (43 253 in 2014)
- 220 degree programmes
- 5 264 employees



2nd biggest Czech university





Telč University Center



■ MU Libraries

None University Library

- 9 faculty libraries
- 116 branch/subject libraries
- Library for students with special needs



Autonomously managed yet integrated into a university system

Library and Information Centre MU

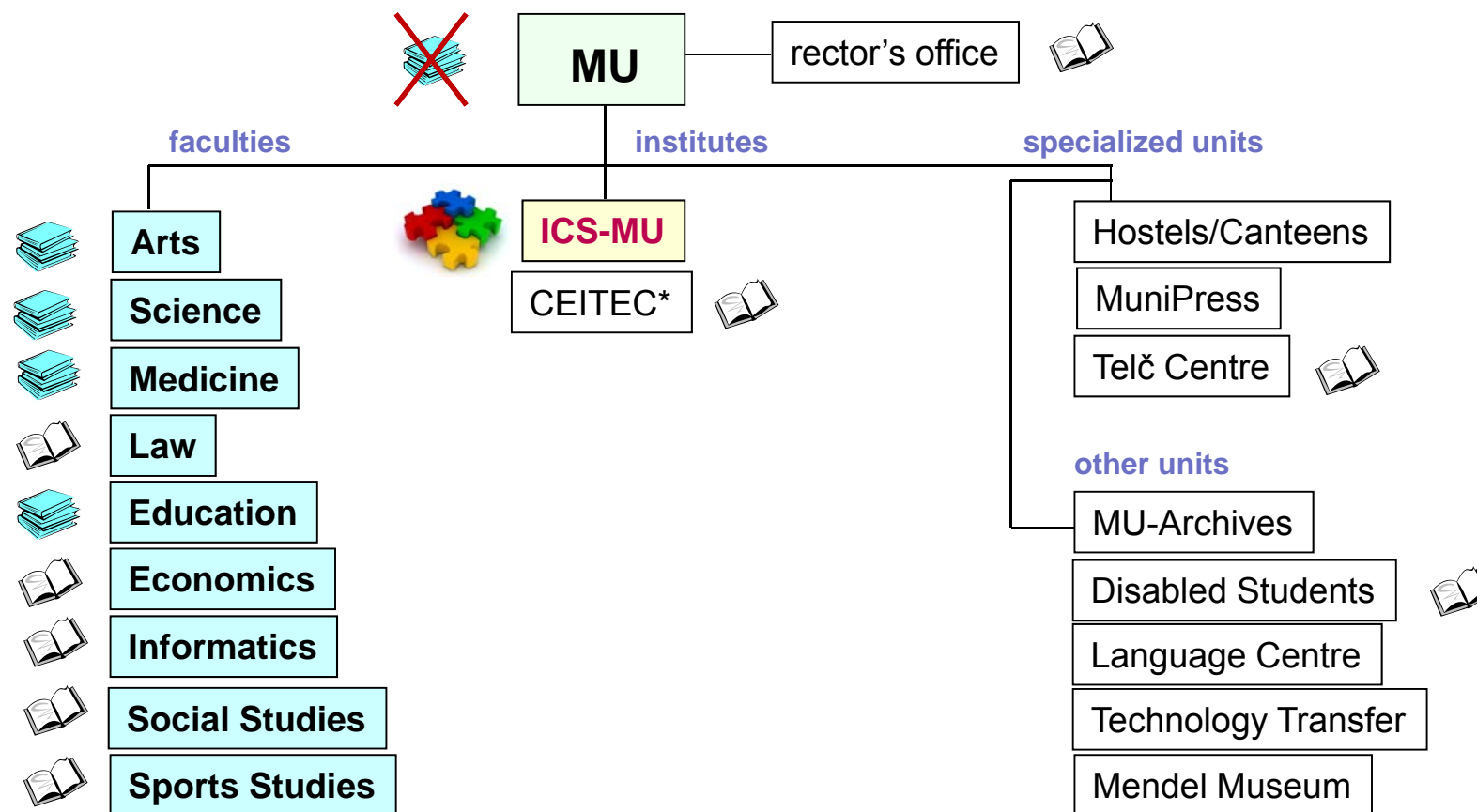
- coordinating body
- central LMS
- common IT infrastructure
- coordinated ER acquisition



LIC-MU@ICS-MU



MU Libraries Structure





■ MU Libraries in figures (2013)

- 9 Faculty libraries
- Disabled students Library
- 116 Branch/subject libraries
- 108 Librarians
- 2.475 Seats in study rooms
- 1,9 mil of books (0,82 arts, 0,36 science)
 - 40.399 new books in 2014
- 48.091 Registered users
- 647.303 Loans

MU Directive No. 11/2014

Masaryk University Library Rules

(as amended effective as of October 1, 2014)

Pursuant to Section 10, paragraph 1 of Act No. 111/1998 Coll., On universities and on amendments to other Acts (Higher Education Act), hereinafter referred to as "the Act", I hereby publish the following directive:

Article 1

Subject matter

Masaryk University Library Rules (hereinafter referred to as "*MU Regulations*") define the main principles of operation of network of libraries at the Masaryk University (hereinafter referred to as "*MU*") in accordance with the Act No. 257/2001 Coll., On libraries and conditions of public library and provision of information services (hereinafter referred to as "*Library Act*").

Article 2

System, mission and organization of MU libraries

- (1) Network of MU libraries consists of the central faculty libraries, respectively libraries that are part of MU listed in Annex 1 (hereinafter referred to as "*MU Libraries*"). These libraries can be structured down to so called branch libraries.
- (2) MU Libraries provide library and information services to students and MU professional community in a standard that corresponds to the mission of MU as a research university and in accordance with the specific needs of the respective MU departments. Operation of MU Libraries is governed by the rules of individual MU libraries (hereinafter "*MU Libraries Rules*") issued by the deans or directors of the individual workplaces in accordance with the MU Regulations. In the case of the Campus library (hereinafter "*KUK*") the operational rules of KUK are proposed by the KUK Council and are published jointly by the deans of faculties located in the area of the University campus and by the CEITEC MU Director.
- (3) Activities of MU Libraries are coordinated by the MU Library and Information Centre at the Institute of Computer Science (hereinafter "*KIC*"), particularly in the areas of design and implementation of common university-wide rules, standardization of the document bibliographic processing including creating a union catalogue, acquisition and use of electronic information sources, development and records of library proficiency projects.





■ MU Libraries Tour

New and reconstructed libraries

- **2002 new** Faculty of Arts Library
- **2005 new** Faculty of Science Library
- **2010 new** University Campus Library (medicine, sport)
- **2015 new** Faculty of Law Library
- **2014 new** Faculty of Education Library
- **2013 reconstr** Faculty of Economics Library
- **2014 new** Faculty of Informatics Library
- **2005 new** Faculty of Social Sciences Library

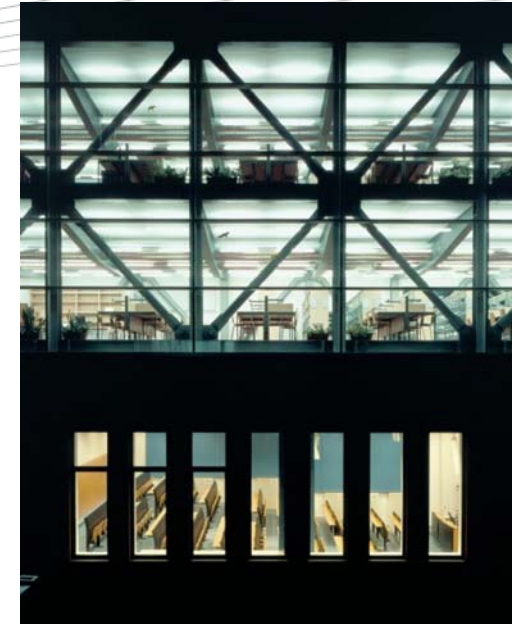
■ Humanities Library

2002 new library



■ Science Library

2005 new library



■ Campus Library

2010 new library



■ Economics Library

2013 reconstructed

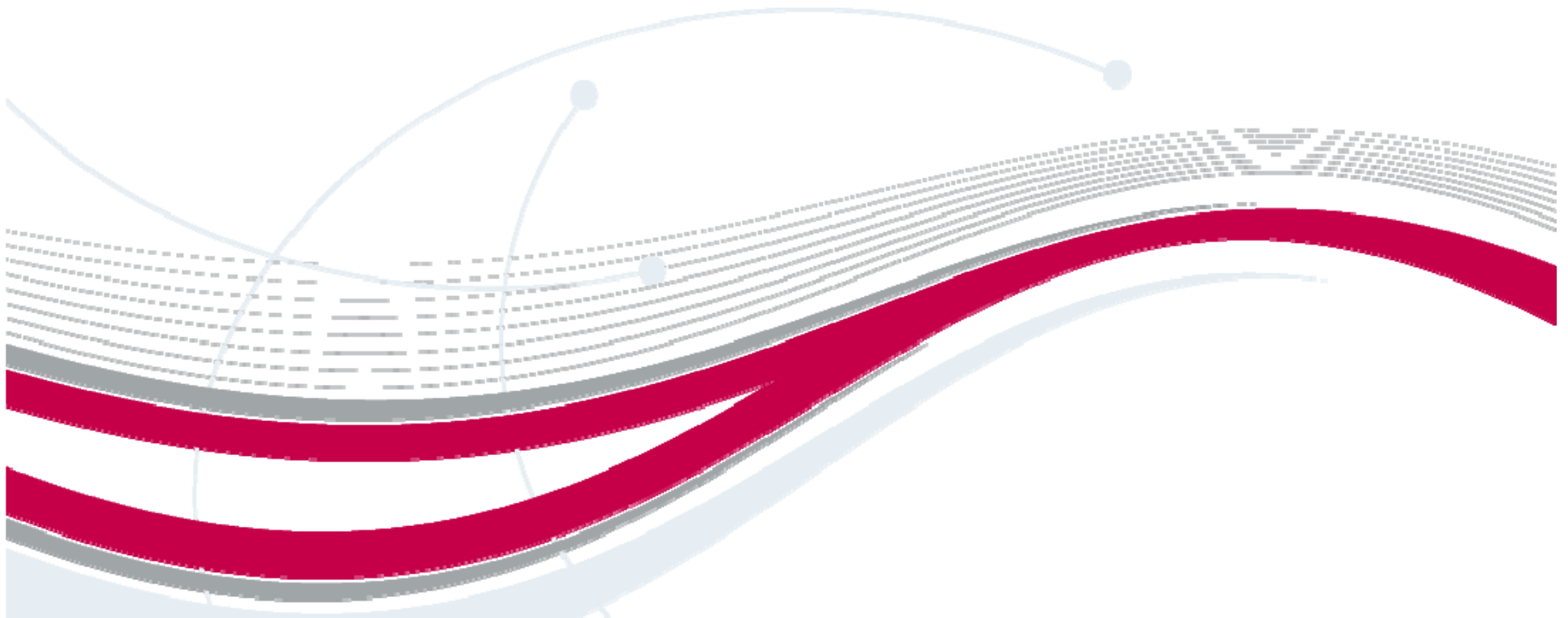


■ Education Library

2014 new library



2. IT support for libraries





■ IT Units supporting MU libraries

Institute of Computer Science

Library and Information Centre MU


- Library management system Aleph MU
- ER technologies
- Digitizing and digital libraries
- Computer study rooms
- Network infrastructure, Library standards...

Faculty of Informatics

IS MU – university study-supporting system

- E-theses archive
- Institutional Repository

Local IT support



MASARYK UNIVERSITY INFORMATION SYSTEM
Personal Administration

IS MU > [Personal Administration](#)

česky | in English

RNDr. Miroslav Bartošek, CSc.
(učo 930)

HIGHLIGHT

IS.MUNI.CZ

MY MAIL
PEOPLE

TEACHER
SUPERVISOR
PUBLICATIONS

STUDENT

TIMETABLE
COURSES
STUDIES
DOCUMENT
OFFICE
ENTRANCE
EXAMS

NOTICEBOARD
DISCUSSION

PERSONAL

MEET PEOPLE
ALUMNUS

DEPOSITORY
MY WEB
DOCUMENTS

ELPORTÁL
DRILL

SHOPPING
CENTER

SCHOLARSHIP

EVENTS
SYSTEM
DESIGN
HELP

users 1449
operations 9080

[Help](#) | [Binder](#)

[Simplified mode](#) | [Expand all sections](#)

My Mail , **People**

[Send mail](#), [IS MU mail](#), [Person search](#), [My Personal Page](#)

Teacher , **Supervisor**, **Publications**

[Students](#), [Send mail](#), [Attendance](#), [Grades](#), [Examinations](#), [Syllabus](#), [Students I supervise](#), [Evaluate doctoral students](#), [My Publications](#)

Student

[Grades](#), [Examinations](#), [Notebooks](#), [Registration and enrollment](#)

Timetable , **Courses** , **Studies** , **Document Office**, **Admission Procedures**

[My timetable](#), [Find a course](#), [Browse templates](#), [Term Calendar](#), [Lists of topics \(thesis, dissertation, etc.\)](#), [Application submission](#)

Noticeboard, **Invitations**, **Advertisements**, **Discussion group**

[Post a message on Noticeboard](#), [My messages posted on Noticeboard](#), [Information campaigns](#)

External services

[Google mail](#), [Google Disk and Documents](#), [Google Calendar](#), [Google Keep](#)

Personal Section , **Job market**, **Contacts**

[Check and change your personal data](#), [Telephone directory](#), [Department](#)

Meet People (Schoolmates) , **Graduates**

[My Friends](#), [Groups](#), [Blogs](#), [Bookmarks](#), [Activities](#), [Add bookmark](#), [All my favourite bookmarks](#), [Alumni Web](#)

HIDE PANEL

Current status

My Mail

Noticeboard
155x 0x favourite

Invitations
0x favourite

Advertisements
0x favourite

Discussion group

- [MU](#), [Off-Topic: FI, MU](#), ...
- [PV070](#), ...
- Favourite: [ZPlk](#) (3457)

E-vote

Events
last 2. 9. 2014 08:10

Activities

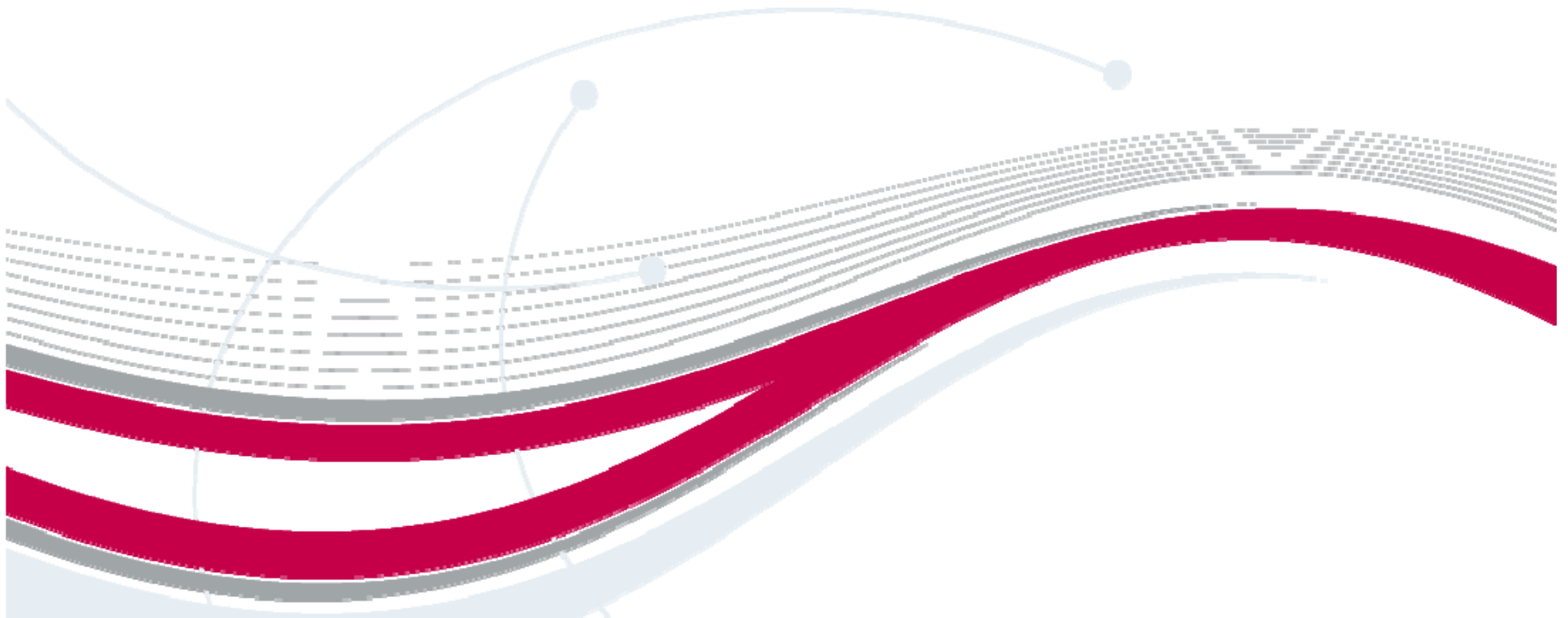
Bookmarks
18 over the last week

IS News

- Not read: 264
- Latest: [Rezervace místnosti pro skupiny osob](#)

IS tips

3. Aleph MU





■ Library Management System

Aleph-MU



- ExLibris, Israel
- **centrally operated service for all MU libraries**
HW/SW, system administration, system librarian, rules, tools
- **faculty catalogues + university union catalogue**
- **750.000 bibliographical records**
- **cooperation with Czech union catalogue**
- **Czech authorities (National Library)**
- **linkage to E-theses archive**
- **12.000 digitized study books (e-loan)**
- **EBSCO ebooks Academic Colection (130.000 e-books)**

■ Library Management System II



Aleph-MU

- MARC21 (...2015 RDA)
- **Modules:**
 - Patrons
 - Acquisition
 - Cataloguing
 - Serials
 - Circulations
 - OPAC
 - Reservations
 - ILL
 - e-loans, ...
- **Unified university settings** (MU Library Regulations)
 - x specialised faculty settings** (faculty library regulations)





■ Aleph-MU

MU Union catalogue
FAQ (czech)

Sign-in
Search/Index
Preferences
Feedback
Help
Logout

Selected records: [View Selected](#) | [Create Subset](#) |

Whole set: [Select All](#) | [Deselect](#) | [Rank](#) | [Refine](#) | [Filter](#) | [SDI Request](#)

Results for Words-all fields= digital libraries; Sorted by: Year (descending)/Author

Sort options: [Author/Year\(d\)](#) [Author/Year\(a\)](#) [Year\(d\)/Author](#) [Author/Title](#) [Title/Year\(d\)](#) [Title/Year\(a\)](#) [Year\(d\)/Title](#)

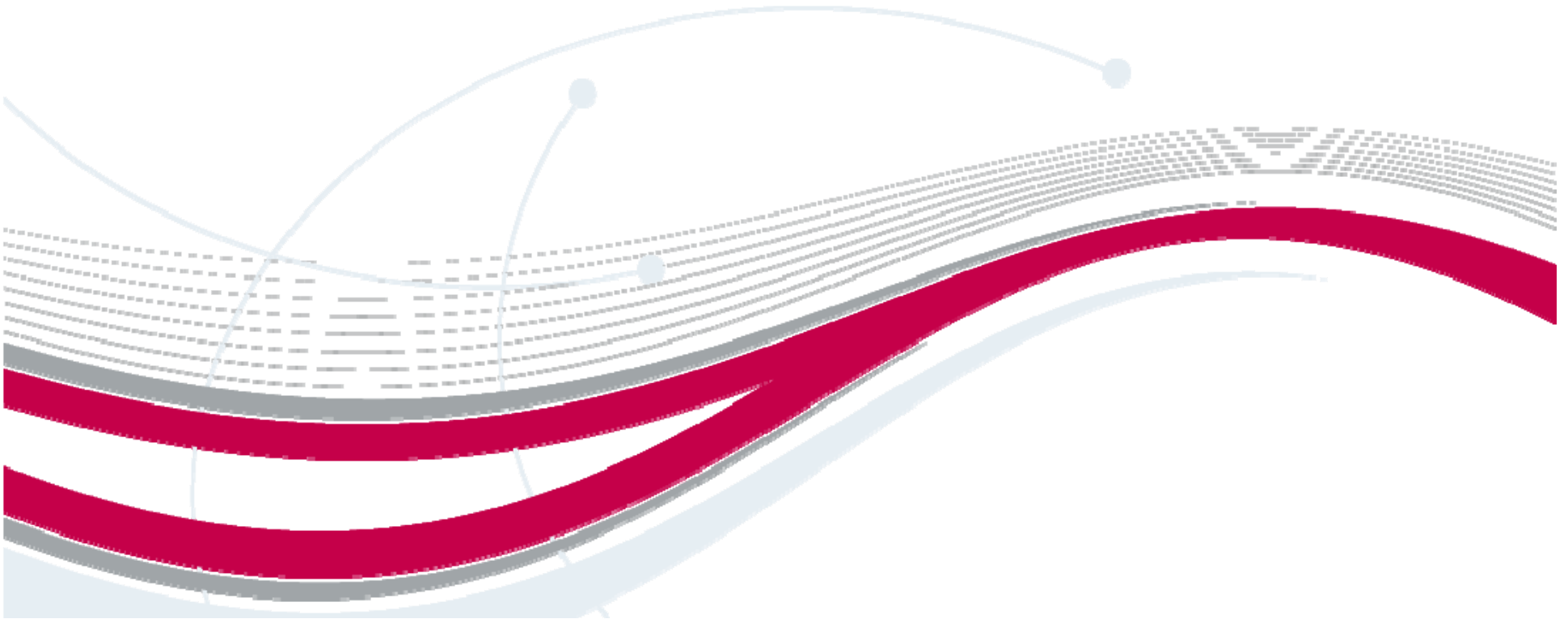
Format options: [951](#) [952](#) [953](#) [Brief view-table](#)

Jump to text:
Jump to num:

Records 1 - 20 of 138 (maximum display and sort is 5000 records)

Number #	Author	Title	Year	Items/Loans	ISBN
1	Universal Learning Design (3. : 2013 : Brno, Česko)	Universal learning design :	2013	Faculty of Informatics(1/ 0)	9788021062702
2	Elguindi, Anne C. aut	Electronic resource management :	2012	Faculty of Social Studies(1/ 1)	9781843346685 (print)
3	Gwyer, Roisin. [ebrary]	The road to information literacy	2012		9783110280845 (hardcover)
4	International conference Universal Learning Design (2. : 2012 : Linec, Rakousko)	Collection of abstracts :	2012		

4. Electronic Resources





■ National support/consortia

Ministry of Education ER supporting programmes

- 2000-2003 LI
- 2004-2008 INFOZ 10-15 mil Euro/year
- 2009-2011 1N
- 2012-2017 OP VaVpl (EC)
- 2013-2017 LR – Information infrastructure for research

National ER consortia

- STM (Elsevier, Springer, Wiley)
- Web of Knowledge
- discipline-based (chemistry, medicine, ...)



■ ER Acquisition

Coordination

LIC-MU@ICS-MU

National projects

Consortia

Internal MU funding

Over 100 ERs licensed for Masaryk University



■ ER technology

ER Portal

<http://ezdroje.muni.cz>

- ERs licensed for MU
- free-trials
- tools, ER-enabling technologies

discovery.muni

- EBSCO Discovery Service
- A-to-Z e-journals/e-books

Linking services

- EBSCO Link Source (SFX until 2013)

Remote user access

- OpenVPN, EZ-proxy, Shibboleth



Advanced search

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SFX linking

Remote access

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Monitor

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Česká verze 

Admin

[EIZ portal](#) >

Electronic information resources at MU

Electronic Information Resources (EIZs) for science, research and teaching at Masaryk University. Includes at most "licenced resources" - commercial information resources payed by MU. This resources can be accessed only by employees and students of Mararyk University and the use can be done for academic purposes only.

Access to EIZs is allowed only from computers connected in Masaryk university network or via remote access services (see [here](#)).

Resources list

[List of resources](#) full list of resources databases which are available at MU

[Discovery](#) central search the electronic information resources ([more info...](#))



Search the electronic information resources MU

Keyword

Fulltext Reviewed Library catalogue

Services for el. information resources at MU

[S.F.X.](#) SFX provides services for searching and linking fulltext documents available at MU

[Remote access](#) how to connect to and use electronic information resources outside the university

Usage restrictions

Electronic information resources may not be used for any non-academic (and non-profit) purposes. It is only allowed to use them for personal studying. Massive downloading of resource's content is considered to be violation of licence agreements and consequently access to resource can be forbidden for whole university!

News

11.2.2015

[Shibboleth - personal data confirmation](#)
remote access to el. inf. resources via Shibboleth request personal data sending confirmation now

5.2.2015

[JCR at the InCities platform](#)
(in czech language only)

[More...](#)

new resources

19.3.2015

[Citační norma ČSN ISO 690 \(interpretace\) FREE](#) – links to interpretations of the citation standard ČSN ISO 690 (rel. 2011)

11.3.2015

[Routledge Handbooks Online](#) FREE-TRIAL

11.3.2015

[Library PressDisplay](#) FREE-TRIAL

[More...](#)



Advanced search

Search

Portal EIZ

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Discovery en

SFX linking

Remote access

Resources monitor RSS

Resources overview

Resources by:

– alphabet

– faculties

– domains

Shibboleth

Free-trials

Free

Useful links

Contact

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Admin

RSS: 2.0

http://ezdroje.muni.cz/?lang=en

[EIZ portal](#) > [e-Resources](#) > [By alphabet](#) >

Resources in Alphabetical Order

[A] [B] [C] [D] [E] [F] [G] [H] [Ch] [I] [J] [K] [L] [M] [N] [O] [P] [Q] [R] [S] [T] [U] [V] [W] [X] [Y] [Z]

- [ACM Digital Library](#) [connect | EZproxy]
- [ACS Journals](#) [connect | EZproxy] – fulltext journals of ACS (American Chemical Society)
- [ACS Legacy Archives](#) [connect] – archive journal titles by ACS (American Chemical Society)
- [Analecta hymnica digitalis](#) [connect]
- [Angewandte Chemie International Edition \(backfiles\)](#) [connect | EZproxy] – chemical journal backfile titles
- [Annual Reviews - Biomedical/Life Sciences](#) [connect | EZproxy] – fulltext biomedical and life sciences journals
- [Anopress - Monitoring on-line](#) [connect | EZproxy]
- [ARTbibliographies Modern](#) [connect | EZproxy | Shibboleth] – bibliographic database of abstracts about modern and contemporary art
- [Art Index Retrospective : 1929-1984](#) [connect | EZproxy | Shibboleth]
- [Art Source](#) [connect | EZproxy] – full-text resource for the study of art and architecture
- [ATLA Religion Database with Serials](#) [connect | EZproxy | Shibboleth]
- [Avery Index to Architectural Periodicals](#) [connect | EZproxy | Shibboleth] – bibliographic database covering architecture and design topics
- [Beck-online](#) [connect]
- [Beck-online.cz](#) [connect]
- [Bentham Science Journals](#) [connect | EZproxy] FREE-TRIAL
- [Biological Abstracts](#) [connect | EZproxy | Shibboleth]
- [BMČ - Bibliographia medica Českoslovacica](#) [connect | EZproxy] FREE – national medical bibliography
- [BMJ Journals Online Collection + British Medical Journal](#) [connect | EZproxy] – fulltext medical journals
- [Books@Ovid](#) [connect | EZproxy | Shibboleth] – 11 medical e-books
- [Business Source Complete](#) [connect | Shibboleth]
- [Cambridge Journals Online - HSS collection \(humanitní a společenské vědy\)](#) [connect | Shibboleth]
- [Citace PRO](#) [connect | Shibboleth] FREE-TRIAL – citation manager
- [Časopisy MEDINFO](#) [connect | EZproxy] – collection of titles from MEDINFO project
- [Česká el. knihovna](#) [connect | EZproxy] FREE
- [Česká národní bibliografie](#) [connect | EZproxy] FREE
- [Dentistry & Oral Sciences Source](#) [connect] – fulltext EBSCO database for dentistry and oral sciences
- [Design and Applied Arts Index](#) [connect | EZproxy | Shibboleth] – abstracts and bibliographic database of design and applied arts
- [Digitalizovaný archiv časopisů v ČR](#) [connect] FREE
- [ebrary Academic Complete](#) [connect | EZproxy | Shibboleth]
- [ebrary Education](#) [connect | EZproxy | Shibboleth]
- [EBSCO](#) [connect | EZproxy | Shibboleth]
- [EBSCO eBooks](#) [connect | Shibboleth] – electronic ebooks collection
- [EconLit with Full Text](#) [connect | EZproxy | Shibboleth]
- [Finotál MU – elektronické výukové publikace](#) [connect] FREE – Educational E-books by Masaryk University teachers recommended as



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– alphabet

– faculties

– domains

Shibboleth

Free-trials

Free

Useful links

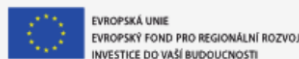
Contact

Česká verze 

Admin

<http://www.ezdrops.muni.cz/?lang=cs>
[EIZ portal](#) > [e-Resources](#) > [In Alphabet Order](#) > [Annual Reviews](#) >

Annual Reviews



Brief info: fulltext biomedical, life sciences, social sciences journals

Link: <http://www.annualreviews.org/>

Remote access²: [connect via EZproxy](#)

Remote access²: [Shibboleth](#)

Producent: [Annual Reviews](#)

Valid until: 31.12.2017

Category: licencovaný zdroj

Accessible from: [Masaryk University](#)

Related domains: multidomain source

Full info:

Collection Biomedical/Life sciences from production of Annual Reviews (AR) contains 26 focused journals (Animal Biosciences is new in 2013). Provides very useful and intelligent synthesis of the primary research literature in medical, biomedical and life sciences (psychology and clinical psychology, physiology, neurosciences, genetics, immunology, biophysics, biochemistry, entomology, ecology, analytical chemistry etc.) AR publications are among the most highly cited in scientific literature as indexed by the Thomson Reuters Journal Citation Reports® (JCR).

All volumes (1932-current) are available in Biomed/LifeScience Collection.

For Physical Sciences Collection, Social Sciences Collection only the archive 1932-2012 is available.


[Web tutorial.](#)

Type of the resource: Fulltext

Language: english

Contact person: [Mgr. Petr Sejk](#)

Related files:

 [Annual Reviews -](#) list of available journals



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OpenVPN

Proxy

EZproxy

Shibboleth

Access from FNB

Access from FN USA

Access test

Access not work...

Contact

Česká verze

Admin

[EIZ portal](#) > [Remote access](#) >

Remote access to electronic resources

This page provides a guide for users who would like to access licenced electronic information resources (EIZs) outside the Masaryk University network. (Default behavior permit direct access only from computers that are connected in the Masaryk University network – it means computers with IP addresses 147.251.0.0/16). There are several possibilities how to get the resources click to link to get further instructions):

- [EZproxy](#) (recommended, use EZproxy links here at the Portal)
- [OpenVPN](#) (recommended^{***})
- [Shibboleth](#) (does not work with all resources, very easy to use)
- [proxy](#) (please do not use, it will be suspended soon)

We recommend to use [EZproxy](#), please use the EZproxy links which you can find nearby all resources here at the Portal:

	SpringerLINK - časopisy [připojit] [EZproxy] [Shibboleth] – vědecké a odborné časopisy nakladatelství Springer
	SpringerLINK - historické archivy [připojit] [EZproxy] [Shibboleth] – plnotextové archivy vydavatelských řad od Springer
	The Times [připojit] [EZproxy] – digitální archiv londýnských The Times
	Thieme E-Book Library [připojit] [EZproxy] – kolekce elektronických učebnic a atlasů z medicíny a biomedicíny

EZproxy link at the resources list

Charakteristika:	vědecké a odborné časopisy nakladatelství Springer
Odkaz:	http://link.springer.com
Vzdálený přístup ¹ :	připojit přes EZproxy
Vzdálený přístup ² :	Shibboleth

EZproxy link at the resource details

Still there is the [OpenVPN](#) available. However, it **requires** to install additional software and to have *administrator rights* on your computer (in Windows).

For [quite a lot resources](#) you can use [Shibboleth](#) to log in via your *UCO and secondary password*.

Specialized electronic information resources at faculties

discovery.muni.cz

searching in all MU
inf-resources from
a single point

■ Discovery service

Big Central Index

- **Daily updated data** (by most of scholarly literature publishers)
- **Electronic Resources licensed for MU**
- **Local MU Resources** (library catalogue, theses, repository,...)

Knowledge Base

- **what is available to MU** (licensed ERs, retrospective coverage)

Searching

- **Simple Google-like search**
- **Advanced search**
- **Results filtering**

Linking Service

- **Guiding user to the MU available full-text**

A-to-Z List


- **e-journals / e-books at MU**

EDS – Ebsco Discovery Service

■ discovery.muni



New Search | List of available Journals and Books (A-to-Z) | Sign In | Folder | Preferences | Language | Contact | Help | Nápověda (CZ)

 **MASARYKOVA UNIVERZITA**
Česká republika

Search the electronic information resources for Masaryk University

Keyword ▾ digital libraries × **Search** ?

[Search Options](#) ▶ [Basic Search](#) [Advanced Search](#) [Search History](#)

[Electronic resources portal](#) [Thesis archive \(IS MU\)](#) [Library system Aleph](#) [MU Libraries](#)



Search the electronic information resources for Masaryk University

Keyword Search

Basic Search | Advanced Search | Search History

Masaryk University

Refine Results

Current Search

Find all my search terms:
digital libraries

Expanders
Rovněž vyhledejte v plných zněních článků

Limit To

- Full Text
 - Peer Reviewed
 - Catalog Only
- 1125 Publication Date 2014

Show More

Typy zdrojů

- All Results
- Academic Journals (355,519)
- Magazines (125,656)
- Conference Materials (77,539)
- Trade Publications (76,765)
- Reviews (56,967)

Show More

Search Results: 1 - 10 of 934,502

Relevance | Page Options | Share

Research Starter
Digital Libraries.
 In the early 1990s, when traditional library systems were first galvanized by the sweeping possibilities of digitalizing centuries of paper artifacts...
[More](#)
 Salem Press Encyclopedia, 2013

1. Application of **Digital Rights Management in Library.**

By: Ashis Kumar Pal. *DESIDOC Journal of Library & Information Technology*, Jan2014, Vol. 34 Issue 1, p11-15, 5p, Database: Library & Information Science Source

Subjects: Digital libraries -- Research; Copyright; Digital signatures; Libraries and Archives; Digital rights management -- Research; Data encryption (Computer science) -- Research; Data protection -- Research; Watermarks; Digital certificates

Academic Journal | [Piný text přes LinkSource](#) | [PDF Full Text \(442KB\)](#) | [citace PRO](#) | [uložit do Citace PRO](#)

2. **Digital Libraries in Nigeria in the Era of Global Change: A Perspective of the Major Challenges.**

By: Abubakar, Bappah Magaji. *Trends in Information Management*. 2010, Vol. 6 Issue 2, p125-131. 7p. , Database: Business Source Complete

Subjects: DIGITAL libraries; LIBRARY finance; INFORMATION & communication technologies; INFORMATION technology; NIGERIA; Libraries and Archives; COLLECTION development in libraries

Academic Journal | [Piný text přes LinkSource](#) | [PDF Full Text \(451KB\)](#) | [citace PRO](#) | [uložit do Citace PRO](#)

3. Analytical Survey on **Digital Preservation and Techniques among Engineering Education Institutional Libraries in Rayalaseema Region of Andhra Pradesh.**

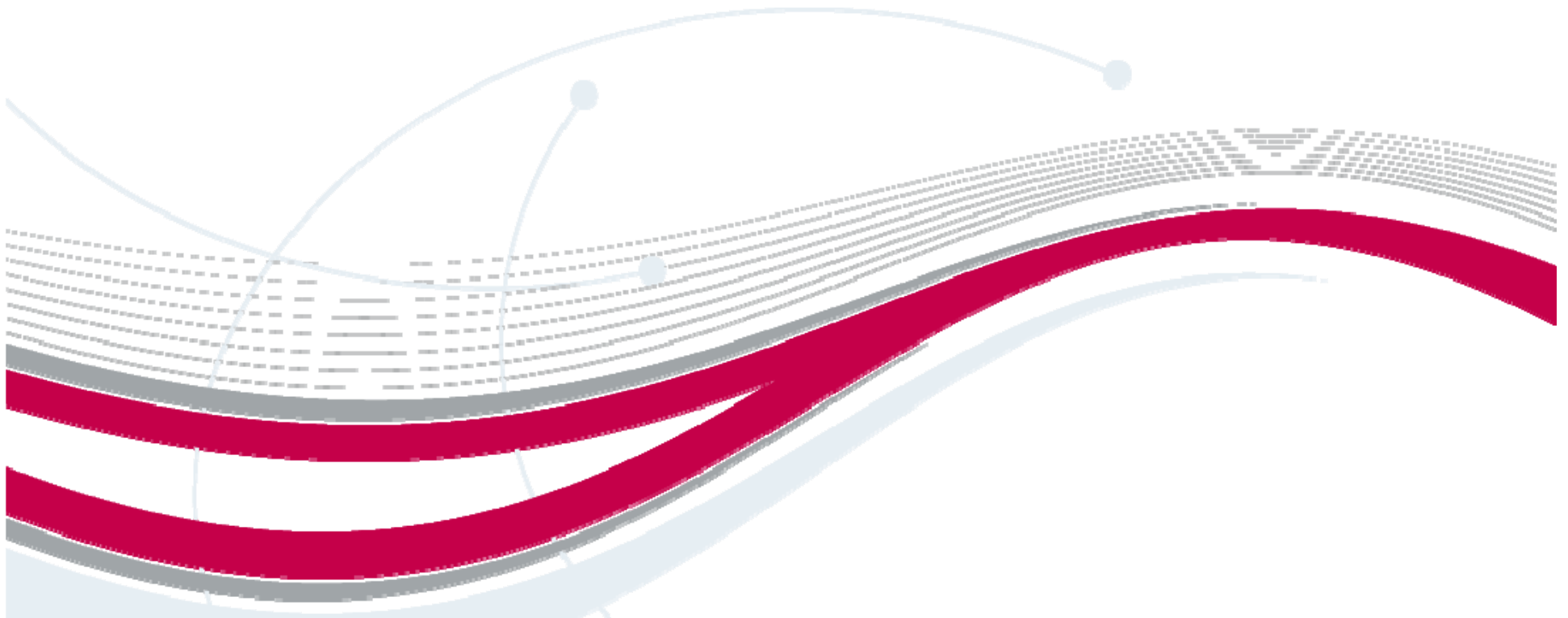
By: Kumar, K.. *Library Philosophy & Practice*, 2014, p1-20, 20p, Database: Library & Information Science Source

Subjects: Institution libraries; Libraries & education; Information resources management; Libraries and Archives; Digitization of library materials -- Research; Digital preservation -- Research

Academic Journal | [Piný text přes LinkSource](#) | [PDF Full Text \(1.1MB\)](#) | [citace PRO](#) | [uložit do Citace PRO](#)

4. **World Digital Library: A Case Study.**

5. Digital Libraries





■ MU Digital Libraries

DKF-MU

Digital library of photographs

DML-CZ

Czech Digital Mathematics Library

DigiLib

Faculty of Arts Digital Library

... other in preparation

DKF-MU



Název 01 Pocta Leoši Janáčkovi

Title Homage to Leoš Janáček

Description A collection of works of art that was part of "Homage à Leoš Janáček", an exhibition composed of contributions by leading artists from all over Europe as their responses to the music written by this outstanding Czech composer. The works of art were either made expressly for the exhibition or created at an earlier date; they were later presented by the artists to the newly founded Masaryk University Art Museum.

Identifikátor 01500001.000

Počet objektů 63



Artymowski. Sinfonietta



Beck. Hommage à Leoš Janáček



Chatrný. Evoka



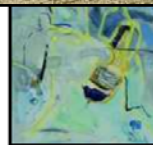
Dickerhof. Šumařovo dítě...



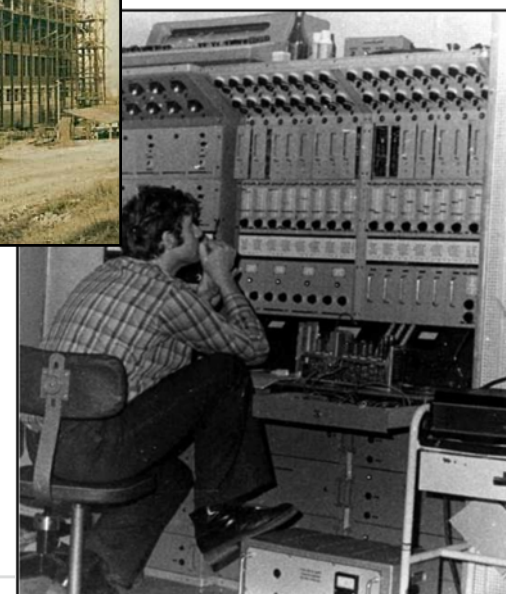
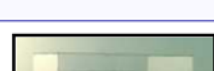
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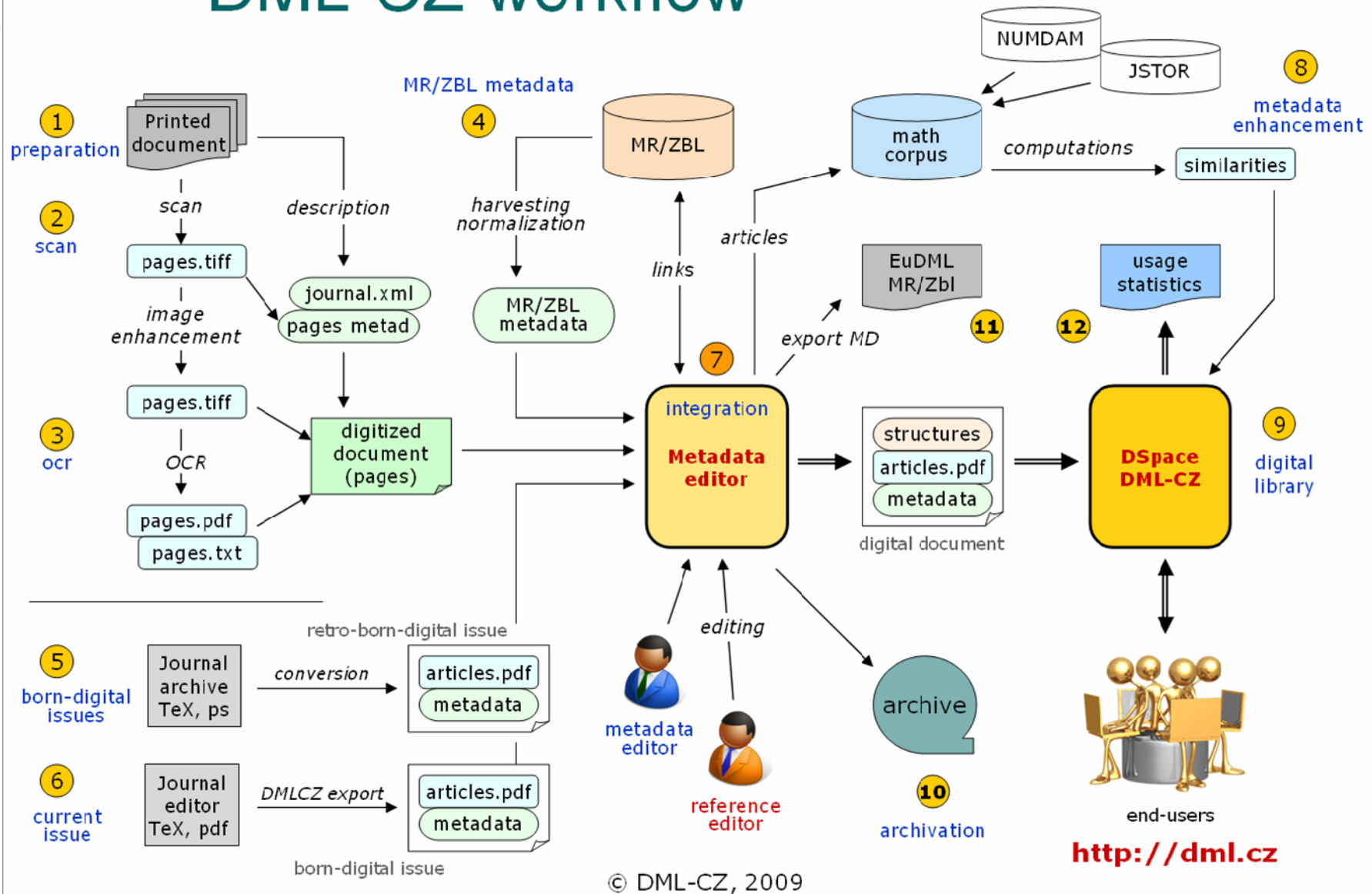
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Otakar Borůvka

* 10. 5. 1899 Uherský Ostroh
† 22. 7. 1995 Brno

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Description: Otakar Borůvka (1899-1995) is one of the most prominent Czech mathematicians of the 20th century. He spent most of his professional life in Brno (working at Masaryk University and at the Mathematical Institute of the Academy of Sciences of the Czech Republic - AV ČR). His extensive scientific work, i.e. 85 original scientific works and 5 monographs which have been translated into many languages, covers 5 mathematical areas: classical mathematical analysis, graph theory, differential geometry, algebra and theory of differential equations. Not only did he contribute significantly to each of these mathematical fields, but he also established scientific schools which were continued by his students and his students' students at Masaryk University and elsewhere.

Borůvka's works on classical analysis date mainly from the period 1923 -- 1925. In his paper "On a minimal problem" (1926) he was a pioneer in transport problems, the area that many years later became an important part of the theory of graphs. In his momentous works on projective differential geometry O. Borůvka was the first who studied analytic correspondences between two projective planes. Borůvka was also one of the main founders of the basic conception of general algebra. He established the theory of groupoids: his basic notions in this field made it possible to form deep and far reaching algebraic theories. After WW2 the essential part of Borůvka's work deals with differential equations, where he developed the original and fruitful theory of global transformations of linear differential equations of the second order.

Otakar Borůvka was not only excellent scientist but also an outstanding pedagogue, well-known by his well prepared lectures and winning his auditors by his tireless diligence.

The great importance of Borůvka's achievements has had wide response in a number of honours awarded to him in Czechoslovakia and abroad, and in numerous invitations to lecture at foreign universities and conferences. His contribution to the world science will never be forgotten.

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Czechoslovak Mathematical Journal, 43 (118) 1993, Praha

THE ZERO-COMPLETION OF A MEDIAN ALGEBRA

HANS-JÜRGEN BANDELT, Hamburg, GERASIMOS C. MELETIOU, Arta

(Received May 15, 1989)

A distributive lattice (L, \wedge, \vee) gives rise to a self-dual symmetric ternary operation, viz.,

$$(*) \quad x, y, z \rightarrow (xyz) := (x \wedge y) \vee (x \wedge z) \vee (y \wedge z),$$

named the median operation of L . This operation satisfies the identities

$$(xyz) = z \\ (vv(xyz)) = ((vwx)(vwy)z).$$

A median algebra M is a symmetric ternary algebra satisfying these two identities. Such an algebra is close to a distributive lattice: for any element a of M one obtains a median semilattice (M, \wedge) with partial join \vee (distributing over \wedge) and least element a via

$$x \wedge y := (xay)$$

such that the median of any x, y, z is recovered by the expression $(*)$. In general, (M, \wedge, \vee) is not a lattice, but still admits a representation as a lower set of some distributive lattice.

Typically, a property of a distributive lattice L that is invariant under interchanging meet and join often is expressible merely in terms of the median operation. Most concepts, though, are not self-dual. For instance, the translational hull ΩL of (L, \wedge, \vee) usually refers to the meet \wedge . It consists of all \wedge -translations of L , i.e., mappings $\tau: L \rightarrow L$ satisfying

$$\tau(x \wedge y) = x \wedge \tau y \quad \text{for all } x, y \in L.$$

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- [4] M. Petrich: **On ideals of a semilattice**. Czechoslovak Math. J. 22 (1972), 361-367. [MR 0310106](#) | [Zbl 0251.20065](#)

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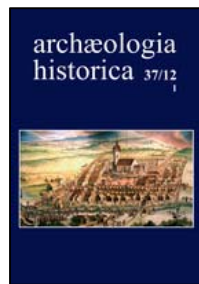
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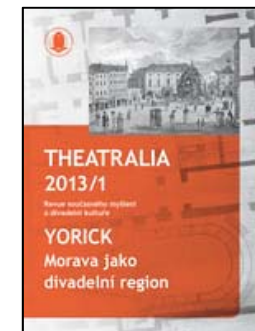
CHRISTOPHER HOPKINSON

TROLLING IN ONLINE DISCUSSIONS: FROM PROVOCATION TO COMMUNITY-BUILDING

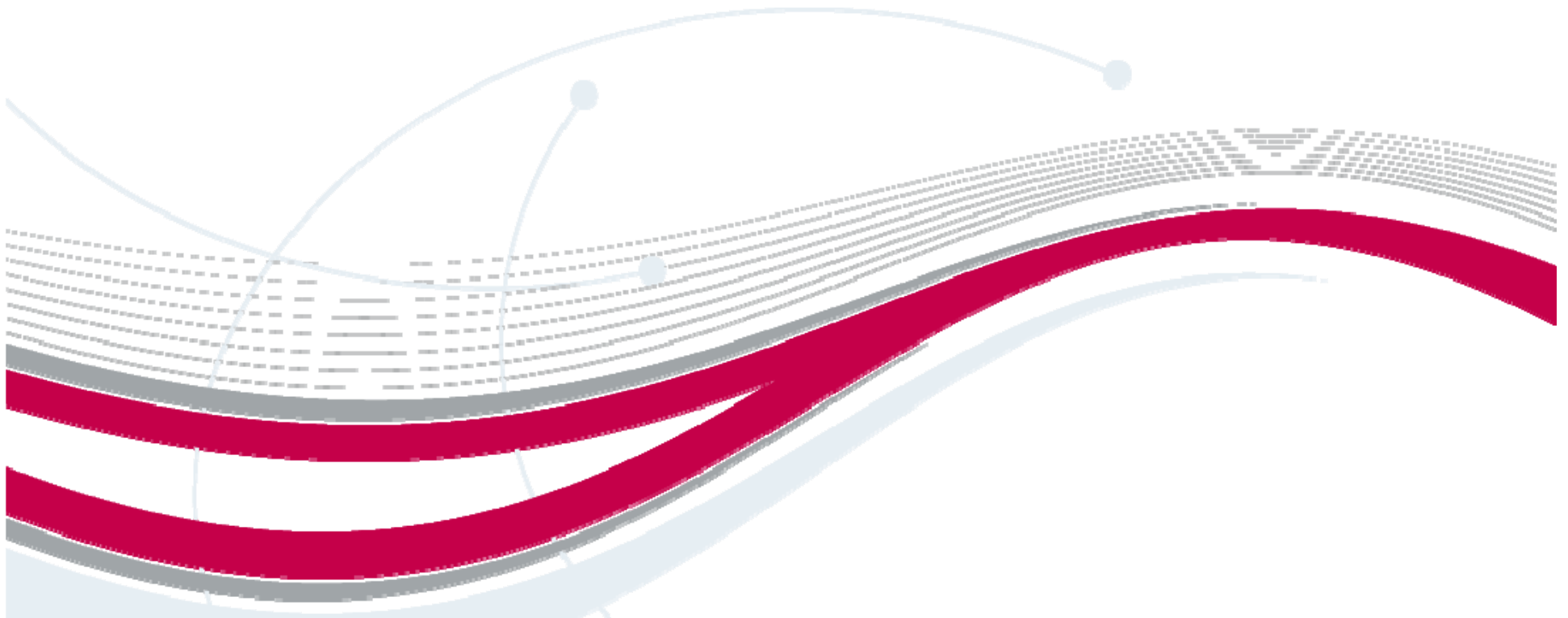
Abstract

This paper focuses on the practice of trolling in online discussions. Working with a corpus taken from the websites of three British newspapers, it examines how users themselves define trolling; comparison with a previous study (Hardaker 2010) suggests that users' definitions of trolling may vary depending on the discussion topic. The paper then presents a qualitative pragmatic analysis of one discussion which was attacked by trolls. After examining how trolls announce their presence and attempt to provoke reactions from core community members, the article then moves on to discuss several salient aspects of the antagonistic facework used during the ensuing 'flame war'. Finally, the article turns to address the social dimension of trolling, outlining how a practice which is generally considered destructive can also paradoxically have constructive effects, helping to build new communities and strengthen existing ones.

discussion forum; genre; face; impolite-
community



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Miroslav Bartošek

bartosek@ics.muni.cz